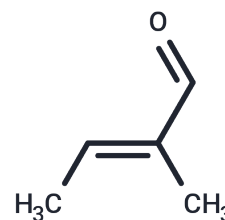


## trans-2-Methyl-2-butenal

## Chemical Properties

CAS No. :	497-03-0
Formula:	C <sub>5</sub> H <sub>8</sub> O
Molecular Weight:	84.12
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	trans-2-Methyl-2-butenal is a ketone compound containing a double bond, exhibiting inhibitory effects on Tetrahymena pyriformis and applicable in biochemical experiments and drug synthesis research.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	11.8878 mL	59.4389 mL	118.8778 mL
5 mM	2.3776 mL	11.8878 mL	23.7756 mL
10 mM	1.1888 mL	5.9439 mL	11.8878 mL
50 mM	0.2378 mL	1.1888 mL	2.3776 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

- Legrand C, et al. New natural agonists of the transient receptor potential Ankyrin 1 (TRPA1) channel. *Sci Rep.* 2020 Jul 8;10(1):11238.
- Zeng X, et al. Effects of methyl salicylate pre-treatment on the volatile profiles and key gene expressions in tomatoes stored at low temperature. *Front Nutr.* 2022 Oct 5;9:1018534.
- Zhang Y, et al. Enantiomeric ratios of 2-methylbutanoic acid and its methyl ester: Elucidation of novel biogenetic pathways towards (R)-methyl 2-methylbutanoate in a beverage fermented with shiitake. *Food Chem.* 2018 Nov 15;266:475-482.
- Bütikofer U, et al. Serum and Urine Metabolites in Healthy Men after Consumption of Acidified Milk and Yogurt. *Nutrients.* 2022 Nov 12;14(22):4794.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481